

Real Inventories, Sales, and Inventory-Sales Ratios for Manufacturing and Trade, 2002:III

Tables 1, 2, and 3 show quarterly and monthly estimates of real inventories, sales, and inventory-sales ratios, respectively. Table 4 shows real manufacturing inventories by stage of fabrication. Real estimates are in chained (1996) dollars.

Data availability

Estimates for 1967:I to 1997:IV on the basis of the Standard Industrial Classification system and estimates beginning with 1997:IV on the basis of the North American Industry Classification System are available as down-

loadable files on BEA's Web site at <www.bea.gov>; click on "GDP and related data" and look under "Supplementary estimates, historical underlying detail," and click on "Change in private inventories."

The most recent estimates are also available by subscription from BEA: On diskette as part of the NIPA monthly update (product number NDS-0171, price \$204.00) and as separate monthly printouts (product number NLS-0166, price \$108.00). To order, call the BEA Order Desk at 1-800-704-0415 (outside the United States, call 202-606-9666).

Table 1B. Real Manufacturing and Trade Inventories, Seasonally Adjusted, End of Period

[Billions of chained (1996) dollars]

	2002		2002					
	II	III	May	June	July ^r	Aug. ^r	Sept. ^r	Oct. ^p
Manufacturing and trade industries	1,141.4	1,145.8	1,139.2	1,141.4	1,143.9	1,142.9	1,145.8	1,146.4
Manufacturing industries	448.1	447.5	449.1	448.1	447.6	447.5	447.5	447.0
Durable goods industries	276.5	273.9	278.1	276.5	275.4	274.9	273.9	273.2
Wood product manufacturing	8.7	8.6	8.9	8.7	8.6	8.6	8.6	8.5
Nonmetallic mineral product manufacturing	9.0	9.0	8.9	9.0	9.0	9.1	9.0	9.1
Primary metal manufacturing	20.6	20.6	20.5	20.6	20.5	20.6	20.6	20.6
Fabricated metal product manufacturing	30.4	30.7	30.7	30.4	30.5	30.6	30.7	30.6
Machinery manufacturing	36.9	36.4	37.3	36.9	36.8	36.6	36.4	36.2
Computer and electronic product manufacturing	62.1	61.8	63.2	62.1	62.3	62.2	61.8	61.7
Electrical equipment, appliance, and component manufacturing	13.9	13.6	14.0	13.9	13.9	13.7	13.6	13.4
Transportation equipment manufacturing	67.1	65.4	67.1	67.1	66.0	65.8	65.4	65.2
Furniture and related product manufacturing	6.6	6.6	6.6	6.6	6.7	6.6	6.6	6.6
Miscellaneous manufacturing	17.9	18.2	17.7	17.9	18.1	18.1	18.2	18.2
Nondurable goods industries	171.5	173.3	171.0	171.5	172.1	172.5	173.3	173.6
Food manufacturing	37.1	37.3	37.0	37.1	37.2	37.3	37.3	37.3
Beverage and tobacco product manufacturing	12.1	12.1	11.9	12.1	11.9	11.9	12.1	12.2
Textile mills	5.9	5.8	5.9	5.9	5.8	5.8	5.8	5.7
Textile product mills	4.7	4.8	4.7	4.7	4.8	4.8	4.8	4.8
Apparel manufacturing	8.0	8.1	8.0	8.0	8.0	8.1	8.1	8.2
Leather and allied product manufacturing	1.3	1.4	1.3	1.3	1.4	1.4	1.4	1.5
Paper manufacturing	16.2	16.1	16.1	16.2	16.0	16.0	16.1	16.1
Printing and related support activities	6.0	5.9	5.9	6.0	6.1	6.0	5.9	6.1
Petroleum and coal product manufacturing	11.8	12.0	11.8	11.8	12.0	11.9	12.0	11.9
Chemical manufacturing	51.0	51.8	51.1	51.0	51.4	51.9	51.8	51.8
Plastics and rubber product manufacturing	17.0	17.7	17.0	17.0	17.1	17.1	17.7	17.7
Merchant wholesale industries	302.3	303.5	301.7	302.3	303.7	303.1	303.5	301.9
Durable goods industries	182.1	183.1	182.1	182.1	182.8	183.0	183.1	182.8
Nondurable goods industries	119.2	119.4	119.5	119.2	119.8	119.1	119.4	118.2
Retail trade industries	390.2	394.1	387.7	390.2	392.0	391.6	394.1	396.7
Motor vehicle and parts dealers	126.3	127.5	124.3	126.3	126.7	126.9	127.5	131.6
Furniture and home furnishings, electronics, and appliance stores	31.6	32.5	31.5	31.6	32.0	32.0	32.5	32.5
Building materials, garden equipment and supply stores	38.9	39.3	38.9	38.9	38.8	38.7	39.3	39.7
Food and beverage stores	30.1	30.5	30.1	30.1	30.0	30.2	30.5	29.9
Clothing and accessory stores	30.7	31.0	30.2	30.7	30.8	30.7	31.0	30.5
General merchandise stores	61.1	61.7	61.3	61.1	61.8	61.6	61.7	61.8
Other retail stores	71.9	72.0	71.5	71.9	72.3	71.8	72.0	71.2

^p Preliminary.

^r Revised.

NOTE. Estimates in this table are based on the North American Industry Classification System (NAICS). Chained (1996) dollar inventory series are calculated to ensure that the chained (1996) dollar change in

inventories for 1996 equals the current-dollar change in inventories for 1996 and that the average of the 1995 and 1996 end-of-year chain-weighted and fixed-weighted inventories are equal. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Table 2B. Real Manufacturing and Trade Sales, Seasonally Adjusted at Monthly Rate

[Billions of chained (1996) dollars]

	2002		2002					
	II	III	May	June	July ^r	Aug. ^r	Sept. ^r	Oct. ^p
Manufacturing and trade industries	857.5	864.9	856.2	859.3	868.4	867.4	859.0	858.9
Manufacturing industries	328.3	328.7	329.7	326.6	331.4	328.4	326.2	326.9
Durable goods industries	188.1	189.4	188.9	186.0	192.2	188.8	187.1	188.9
Wood product manufacturing	7.5	7.4	7.4	7.5	7.5	7.4	7.3	7.4
Nonmetallic mineral product manufacturing	7.8	7.9	7.9	7.8	7.9	8.0	7.9	7.8
Primary metal manufacturing	12.2	12.1	12.3	12.0	12.1	12.1	12.0	12.1
Fabricated metal product manufacturing	20.2	20.4	20.1	20.1	20.4	20.4	20.3	20.2
Machinery manufacturing	21.8	21.8	22.3	21.7	22.0	21.8	21.5	21.6
Computer and electronic product manufacturing	42.0	42.3	42.3	41.5	42.8	42.3	41.8	42.0
Electrical equipment, appliance, and component manufacturing	9.2	9.0	9.3	9.0	9.1	8.9	8.9	9.0
Transportation equipment manufacturing	52.4	53.6	52.2	51.4	55.2	52.9	52.7	53.6
Furniture and related product manufacturing	5.2	5.2	5.2	5.2	5.3	5.2	5.1	5.1
Miscellaneous manufacturing	9.6	9.6	9.7	9.5	9.7	9.6	9.4	9.8
Nondurable goods industries	139.8	139.0	140.5	140.1	139.1	139.3	138.7	137.8
Food manufacturing	37.4	37.5	37.7	37.0	37.3	37.9	37.3	37.7
Beverage and tobacco product manufacturing	6.6	6.5	6.8	6.5	6.5	6.5	6.4	6.2
Textile mills	3.9	3.8	3.9	3.7	4.0	3.8	3.7	3.8
Textile product mills	3.1	3.0	3.1	3.0	3.0	2.9	3.0	3.0
Apparel manufacturing	4.7	4.7	4.7	4.7	4.8	4.6	4.6	4.6
Leather and allied product manufacturing	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.7
Paper manufacturing	12.2	12.6	12.4	12.2	12.4	12.8	12.5	12.4
Printing and related support activities	7.5	7.6	7.5	7.5	7.5	7.7	7.7	7.7
Petroleum and coal product manufacturing	16.0	15.9	16.1	16.2	16.3	16.0	15.4	14.7
Chemical manufacturing	33.6	32.7	33.4	34.5	32.3	32.3	33.5	33.3
Plastics and rubber product manufacturing	14.6	14.5	14.6	14.5	14.7	14.5	14.4	14.6
Merchant wholesale industries	243.3	245.0	242.6	244.3	244.9	246.0	244.0	242.4
Durable goods industries	131.9	132.7	131.9	132.3	132.7	132.9	132.4	131.0
Nondurable goods industries	111.3	112.1	110.6	111.8	112.0	112.8	111.4	111.1
Retail trade industries	293.9	299.7	291.6	296.4	300.5	301.6	297.0	297.6
Motor vehicle and parts dealers	74.0	77.6	72.2	75.5	78.5	79.4	74.9	73.5
Furniture and home furnishings, electronics, and appliance stores	29.0	29.6	29.0	29.1	29.1	29.5	30.1	30.5
Building materials, garden equipment and supply stores	27.8	28.2	27.6	28.0	28.1	28.1	28.3	28.4
Food and beverage stores	36.1	36.2	36.2	36.3	36.3	36.2	36.2	36.2
Clothing and accessory stores	16.8	16.6	16.5	17.0	16.9	16.7	16.3	17.2
General merchandise stores	42.9	43.4	42.7	43.2	43.3	43.5	43.4	44.1
Other retail stores	71.1	72.1	71.3	71.1	72.0	72.1	72.2	72.4

^p Preliminary.^r Revised.

NOTE. Estimates in this table are based on the North American Industry Classification System (NAICS).

Chained (1996) dollar sales are calculated as the product of the chain-type quantity index and the 1996 current-dollar value of the corresponding series, divided by 100. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.

Table 3B. Real Inventory-Sales Ratios for Manufacturing and Trade, Seasonally Adjusted

[Ratio, based on chained (1996) dollars]

	2002		2002					
	II	III	May	June	July ^r	Aug. ^r	Sept. ^r	Oct. ^p
Manufacturing and trade industries	1.33	1.33	1.33	1.33	1.32	1.32	1.33	1.34
Manufacturing industries	1.37	1.36	1.36	1.37	1.35	1.36	1.37	1.37
Durable goods industries	1.47	1.45	1.47	1.49	1.43	1.46	1.46	1.45
Wood product manufacturing	1.17	1.16	1.21	1.17	1.15	1.16	1.18	1.15
Nonmetallic mineral product manufacturing	1.15	1.14	1.13	1.15	1.15	1.14	1.14	1.16
Primary metal manufacturing	1.69	1.70	1.67	1.71	1.69	1.70	1.71	1.70
Fabricated metal product manufacturing	1.51	1.51	1.52	1.51	1.50	1.50	1.51	1.52
Machinery manufacturing	1.69	1.67	1.67	1.70	1.67	1.68	1.69	1.67
Computer and electronic product manufacturing	1.48	1.46	1.49	1.50	1.46	1.47	1.48	1.47
Electrical equipment, appliance, and component manufacturing	1.52	1.51	1.51	1.54	1.52	1.53	1.52	1.49
Transportation equipment manufacturing	1.28	1.22	1.29	1.31	1.20	1.24	1.24	1.22
Furniture and related product manufacturing	1.27	1.28	1.26	1.28	1.26	1.28	1.31	1.30
Miscellaneous manufacturing	1.88	1.90	1.83	1.89	1.86	1.88	1.93	1.86
Nondurable goods industries	1.23	1.25	1.22	1.22	1.24	1.24	1.25	1.26
Food manufacturing	0.99	0.99	0.98	1.00	1.00	0.98	1.00	0.99
Beverage and tobacco product manufacturing	1.84	1.87	1.76	1.85	1.82	1.82	1.90	1.97
Textile mills	1.50	1.50	1.52	1.56	1.46	1.55	1.56	1.52
Textile product mills	1.54	1.62	1.53	1.57	1.61	1.62	1.62	1.60
Apparel manufacturing	1.71	1.73	1.70	1.71	1.68	1.74	1.75	1.80
Leather and allied product manufacturing	2.01	2.05	2.05	1.96	2.02	2.04	2.03	2.16
Paper manufacturing	1.33	1.28	1.30	1.33	1.30	1.25	1.28	1.30
Printing and related support activities	0.80	0.78	0.79	0.81	0.81	0.79	0.77	0.79
Petroleum and coal product manufacturing	0.74	0.76	0.73	0.73	0.74	0.74	0.78	0.82
Chemical manufacturing	1.52	1.58	1.53	1.48	1.59	1.61	1.54	1.56
Plastics and rubber product manufacturing	1.17	1.22	1.16	1.18	1.16	1.18	1.23	1.21
Merchant wholesale industries	1.24	1.24	1.24	1.24	1.24	1.23	1.24	1.25
Durable goods industries	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.40
Nondurable goods industries	1.07	1.07	1.07	1.07	1.07	1.06	1.07	1.06
Retail trade industries	1.33	1.32	1.33	1.32	1.30	1.30	1.33	1.33
Motor vehicle and parts dealers	1.71	1.64	1.72	1.67	1.61	1.60	1.70	1.79
Furniture and home furnishings, electronics, and appliance stores	1.09	1.10	1.09	1.08	1.10	1.08	1.08	1.07
Building materials, garden equipment and supply stores	1.40	1.40	1.41	1.39	1.38	1.38	1.39	1.40
Food and beverage stores	0.83	0.84	0.83	0.83	0.83	0.83	0.84	0.82
Clothing and accessory stores	1.83	1.86	1.83	1.80	1.82	1.84	1.91	1.78
General merchandise stores	1.42	1.42	1.44	1.41	1.43	1.42	1.42	1.40
Other retail stores	1.01	1.00	1.00	1.01	1.00	1.00	1.00	0.98

^p Preliminary.^r Revised.

NOTE. Estimates in this table are based on the North American Industry Classification System (NAICS).

**Table 4B. Real Manufacturing Inventories, by Stage of Fabrication, Seasonally Adjusted,
End of Period**

[Billions of chained (1996) dollars]

	2002		2002					
	II	III	May	June	July ^r	Aug. ^r	Sept. ^r	Oct. ^p
Materials and supplies								
Manufacturing industries	156.1	154.6	157.4	156.1	155.6	155.2	154.6	154.5
Durable goods industries.....	95.2	93.7	96.4	95.2	94.6	94.4	93.7	93.6
Wood product manufacturing	3.7	3.6	3.8	3.7	3.6	3.6	3.6	3.6
Nonmetallic mineral product manufacturing	3.3	3.2	3.3	3.3	3.3	3.2	3.2	3.2
Primary metal manufacturing	6.7	6.8	6.7	6.7	6.7	6.8	6.8	6.9
Fabricated metal product manufacturing.....	11.5	11.8	11.6	11.5	11.5	11.7	11.8	11.8
Machinery manufacturing.....	14.2	13.6	14.4	14.2	14.0	13.9	13.6	13.6
Computer and electronic product manufacturing	24.1	23.5	24.7	24.1	23.9	23.8	23.5	23.7
Electrical equipment, appliance, and component manufacturing.....	5.3	5.1	5.4	5.3	5.3	5.2	5.1	5.0
Transportation equipment manufacturing	16.6	16.2	16.8	16.6	16.2	16.2	16.2	16.0
Furniture and related product manufacturing	3.2	3.1	3.2	3.2	3.2	3.2	3.1	3.1
Miscellaneous manufacturing.....	6.4	6.5	6.4	6.4	6.5	6.5	6.5	6.5
Nondurable goods industries.....	60.9	60.9	61.0	60.9	61.0	60.8	60.9	60.8
Food manufacturing	11.5	11.2	11.5	11.5	11.5	11.4	11.2	11.2
Beverage and tobacco product manufacturing	6.2	6.3	6.2	6.2	6.3	6.3	6.3	6.3
Textile mills.....	1.9	2.0	1.9	1.9	1.9	1.9	2.0	1.9
Textile product mills.....	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Apparel manufacturing	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Leather and allied product manufacturing	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.4
Paper manufacturing	8.0	8.0	8.0	8.0	7.9	7.9	8.0	8.0
Printing and related support activities.....	1.9	1.9	1.9	1.9	2.0	1.9	1.9	1.9
Petroleum and coal product manufacturing.....	3.1	3.0	3.2	3.1	3.1	3.0	3.0	3.0
Chemical manufacturing.....	17.0	17.0	17.1	17.0	17.1	17.1	17.0	16.8
Plastics and rubber product manufacturing.....	7.2	7.3	7.2	7.2	7.2	7.2	7.3	7.3
Work-in-process								
Manufacturing industries	129.0	128.0	129.1	129.0	128.4	128.6	128.0	127.1
Durable goods industries.....	100.6	98.8	101.0	100.6	99.7	99.3	98.8	98.0
Wood product manufacturing	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Nonmetallic mineral product manufacturing	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Primary metal manufacturing	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Fabricated metal product manufacturing.....	9.2	9.2	9.3	9.2	9.2	9.1	9.2	9.1
Machinery manufacturing.....	11.0	10.8	11.1	11.0	10.9	10.9	10.8	10.5
Computer and electronic product manufacturing	21.2	21.5	21.4	21.2	21.3	21.2	21.5	21.1
Electrical equipment, appliance, and component manufacturing.....	4.4	4.3	4.5	4.4	4.4	4.3	4.3	4.2
Transportation equipment manufacturing	35.8	34.4	35.8	35.8	35.2	35.0	34.4	34.4
Furniture and related product manufacturing	1.2	1.2	1.3	1.2	1.2	1.2	1.2	1.2
Miscellaneous manufacturing.....	4.1	4.1	4.1	4.1	4.0	4.1	4.1	4.1
Nondurable goods industries.....	28.3	29.2	28.1	28.3	28.7	29.2	29.2	29.0
Food manufacturing	5.4	5.5	5.4	5.4	5.5	5.5	5.5	5.5
Beverage and tobacco product manufacturing	1.4	1.6	1.5	1.4	1.4	1.5	1.6	1.5
Textile mills.....	1.2	1.1	1.2	1.2	1.2	1.2	1.1	1.1
Textile product mills.....	0.9	0.9	1.0	0.9	0.9	0.9	0.9	0.9
Apparel manufacturing	1.6	1.5	1.6	1.6	1.6	1.7	1.5	1.5
Leather and allied product manufacturing	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Paper manufacturing	1.6	1.5	1.6	1.6	1.6	1.6	1.5	1.5
Printing and related support activities.....	1.2	1.1	1.1	1.2	1.2	1.2	1.1	1.2
Petroleum and coal product manufacturing.....	3.2	3.3	3.2	3.2	3.3	3.3	3.3	3.3
Chemical manufacturing.....	9.2	10.1	9.0	9.2	9.5	9.8	10.1	9.8
Plastics and rubber product manufacturing.....	2.1	2.2	2.2	2.1	2.2	2.2	2.2	2.3
Finished goods								
Manufacturing industries	162.8	164.6	162.5	162.8	163.4	163.5	164.6	165.2
Durable goods industries.....	80.6	81.4	80.7	80.6	81.1	81.2	81.4	81.5
Wood product manufacturing	3.2	3.2	3.4	3.2	3.2	3.2	3.2	3.2
Nonmetallic mineral product manufacturing	4.6	4.6	4.5	4.6	4.5	4.6	4.6	4.6
Primary metal manufacturing	6.9	6.8	6.9	6.9	6.8	6.9	6.8	6.9
Fabricated metal product manufacturing.....	9.8	9.8	9.9	9.8	9.8	9.8	9.8	9.8
Machinery manufacturing.....	11.7	12.0	11.8	11.7	11.9	11.9	12.0	12.1
Computer and electronic product manufacturing	16.7	16.8	17.0	16.7	17.0	17.1	16.8	16.9
Electrical equipment, appliance, and component manufacturing.....	4.1	4.1	4.1	4.1	4.2	4.1	4.1	4.1
Transportation equipment manufacturing	15.6	15.9	15.5	15.6	15.7	15.6	15.9	15.9
Furniture and related product manufacturing	2.2	2.3	2.2	2.2	2.2	2.2	2.3	2.3
Miscellaneous manufacturing.....	7.4	7.6	7.2	7.4	7.5	7.5	7.6	7.6
Nondurable goods industries.....	82.1	83.1	81.7	82.1	82.2	82.3	83.1	83.6
Food manufacturing	20.1	20.5	20.0	20.1	20.1	20.3	20.5	20.6
Beverage and tobacco product manufacturing	4.4	4.2	4.2	4.4	4.2	4.2	4.2	4.3
Textile mills.....	2.7	2.7	2.8	2.7	2.7	2.7	2.7	2.7
Textile product mills.....	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Apparel manufacturing	4.2	4.5	4.2	4.2	4.2	4.2	4.5	4.5
Leather and allied product manufacturing	0.8	0.9	0.8	0.8	0.9	0.9	0.9	0.9
Paper manufacturing	6.6	6.6	6.5	6.6	6.5	6.5	6.6	6.5
Printing and related support activities.....	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Petroleum and coal product manufacturing.....	5.5	5.7	5.4	5.5	5.6	5.5	5.7	5.6
Chemical manufacturing.....	24.9	24.7	24.9	24.9	24.9	24.9	24.7	25.1
Plastics and rubber product manufacturing.....	7.7	8.1	7.6	7.7	7.7	7.7	8.1	8.1

^p Preliminary.^r Revised.

NOTE: Estimates in this table are based on the North American Industry Classification System (NAICS).

Chained (1996) dollar inventory series are calculated to ensure that the chained (1996) dollar change in inventories for 1996 equals the current-dollar change in inventories for 1996 and that the average of the 1995 and 1996 end-of-year chain-weighted and fixed-weighted inventories are equal. Because the formula for the chain-type quantity indexes uses weights of more than one period, the corresponding chained-dollar estimates are usually not additive.